

Application No. 10/605,858  
Docket No. 132855  
Amendment dated November 26, 2004  
Reply to Office Action of August 26, 2004

### REMARKS

In the Office Action, the Examiner reviewed claims 1-20 of the above-identified US Patent Application, with the result that claims 1-5, 7, 9, 10, and 12 were rejected under 35 USC §12, claims 6 and 11 were rejected under 35 USC §103, claims 13-20 were allowed, and claim 8 (which depends from claim 1) was deemed to recite allowable subject matter. In response, Applicants have amended the claims as set forth above. More particularly:

Dependent claim 8 has been canceled (without prejudice to Applicants) and its limitations incorporated into its parent claim 1 pursuant to the Examiner's conclusion that claim 8 recites allowable subject matter. As such, independent claim 1 and its remaining dependent claims 2-7 and 9-12 are believed to be allowable over the prior art of record.

New independent claim 21 has been presented that is identical to claim 1 as filed except for incorporating the additional requirements that the activator is first dissolved in the solvent to form an activator solution, after which the particulate filler and particulate donor material are mixed with the activator solution to form the adhesive mixture. Support for this limitation can be found in Applicants' specification in the first two sentences of paragraph [0027].

New dependent claims 22-30 depend from new independent claim 21, and recite the same limitations as original claims 2-6 and 8-11 as filed.

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Applicants believe that the above amendments do not present new matter. Favorable reconsideration and allowance of remaining claims 1-7 and 9-20 and new claims 21-30 are respectfully requested in view of the above amendments and the following remarks.

### Prior Art Rejections

The Examiner rejected independent claim 1 and its dependent claims 2-7 and 9-12 under 35 USC §102 or 103 in view of U.S. Patent No. 5,997,604 to Rafferty et al. (Rafferty), but deemed dependent claim 8 to recite allowable subject matter. As noted above, Applicants have amended independent claim 1 to incorporate all of the limitations of dependent claim 8. Applicants therefore respectfully request withdrawal of the rejections of claims 1-7 and 9-12 under 35 USC §102 and 103.

### New Claims 21-30

New independent claim 21 requires the step of dissolving an activator in a solvent to form an activator solution, after which the particulate filler and particulate donor material are mixed with the activator solution to form the adhesive mixture.

The Examiner cited Rafferty as teaching “a metalide coating system 15 which comprises a paste binder in combination with powdered metal alloy, a halogen source as an activator which reacts with the metal of the meal alloy, and a filler.”

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Rafferty was further cited as teaching that the metalide coating system 15 can be in the form of a tape, slurry, or paste, "the binder may be in the form of a paste, which necessarily comprises some solvent," and "the particles of the metalide system (activator particles, filler particles, and metal alloy particles) are necessarily dissolved in the solvent used to form the paste."

While Rafferty's process might result in some activator particles being partially dissolved in the binder's solvent if the solvent is of a type capable of dissolving the activator particles, Applicants do not believe that the activator particles would be necessarily entirely dissolved in the binder solvent. In any event, nowhere does Rafferty teach or even suggest dissolving the activator particles to form a solution into which Rafferty's powdered metal alloy, filler, and binder are mixed to form a tape, slurry, or paste. Instead, any solvent used by Rafferty is first required to be mixed with Rafferty's binder to render the binder capable of adhering together the solid components of Rafferty's tape, slurry, or paste. Therefore, Applicants believe that Rafferty does not anticipate or obviate new claims 21-30, and respectfully request their allowance.

### Closing

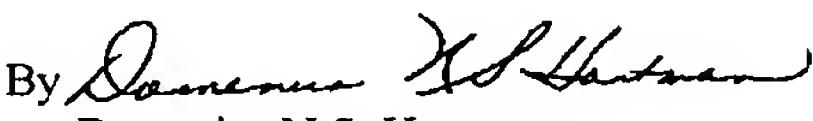
In view of the above, Applicants believe that all rejections to their claims have been overcome, and that the claims define patentable novelty over all the references, alone or in combination, of record. It is therefore respectfully requested that

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this patent application be given favorable reconsideration.

Should the Examiner have any questions with respect to any matter now of record, Applicants' representative may be reached at (219) 462-4999.

Respectfully submitted,

By   
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November 26, 2004  
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Attachment: Fee Transmittal form

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

## FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

### Complete If Known

|                      |                   |
|----------------------|-------------------|
| Application Number   | 10/605,858        |
| Filing Date          | October 31, 2003  |
| First-Named Inventor | Park              |
| Examiner Name        | Kirsten C. Jolley |
| Art. Unit            | 1762              |
| Attorney Docket No.  | 132855            |

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NOV 26 2004

### METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None

Deposit Account:

Deposit Account Number: 07-0665  
Deposit Account Name: General Electric Company

This Director is authorized to check off that applies:  
 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Description  | Fee Paid |
|---------------|---------------|--|----------|
| 1051 130      | 2051 65       | Surcharge - late filing fee or oath  |          |
| 1052 50       | 2052 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 1053 130      | 1053 330      | Non-English specification  |          |
| 1612 2,520    | 1812 2,320    | For filing a request for ex parte reexamination                            |          |
| 1604 920      | 1804 820      | Requesting publication of SIR prior to Examiner action                     |          |
| 1805 1,840    | 1805 1,840    | Requesting publication of SIR after Examiner action                        |          |
| 1251 110      | 2251 55       | Extension for reply within first month                                     |          |
| 1252 120      | 2252 110      | Extension for reply within second month                                    |          |
| 1253 130      | 2253 115      | Extension for reply within third month                                     |          |
| 1254 1,480    | 2254 1,240    | Extension for reply within fourth month                                    |          |
| 1255 2,010    | 2255 1,005    | Extension for reply within fifth month                                     |          |
| 1401 330      | 2401 185      | Notice of Appeal   |          |
| 1402 330      | 2402 185      | Filing a brief in support of an appeal                                     |          |
| 1403 360      | 2403 145      | Request for oral hearing   |          |
| 1451 3,510    | 1451 1,510    | Petition to institute a public-use proceeding                              |          |
| 1452 110      | 2452 55       | Petition to revive - unavoidable   |          |
| 1453 1,330    | 2453 866      | Petition to revive - unintentional   |          |
| 1501 1,330    | 2501 565      | Utility issue fee (or reissue)   |          |
| 1502 480      | 2502 240      | Design issue fee   |          |
| 1503 640      | 2503 320      | Plant issue fee  |          |
| 1450 130      | 1450 130      | Petitions to the Commissioner  |          |
| 1507 150      | 1807 150      | Processing fee under 37 CFR 1.17(q)  |          |
| 1806 180      | 1806 180      | Submission of Information Disclosure Stmt                                  |          |
| 8021 40       | 8021 40       | Recording each patent assignment per property (times number of properties) |          |
| 1803 770      | 2808 385      | Filing a submission after final rejection (37 CFR 1.128(a))                |          |
| 1810 720      | 2810 385      | For each additional invention to be examined (37 CFR 1.128(b))             |          |
| 1804 770      | 2801 385      | Request for Continued Examination (RCE)                                    |          |
| 1802 900      | 1802 900      | Request for expedited examination of a design application                  |          |

Cancel fee (if any):

\*Reduced by Basic Filing Fee Paid

STUBTOTAL (3) (\$ 0.00)

Total Claims: 130 Extra Claims: 10 Fee from Below: 18 Fee Paid: 180

Independent Claims: 3 Fee from Below: 0 Fee Paid: 0

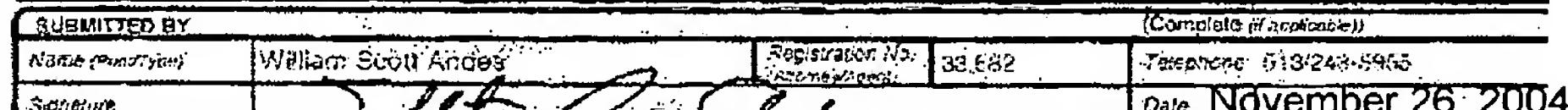
Multiple Dependent: Fee from Below: 0 Fee Paid: 0

| Large Entity  | Small Entity  | Fee Description  |
|---------------|---------------|--|
| Fee Code (\$) | Fee Code (\$) | Fee Description  |
| 1202 18       | 2202 6        | Claims in excess of 20                                     |
| 1201 85       | 2201 42       | Independent claims in excess of 3                          |
| 1203 290      | 2203 145      | Multiple dependent claim, if not paid                      |
| 1204 80       | 2204 40       | ** Relates independent claims over original patent         |
| 1205 18       | 2205 9        | ** Relates claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 180.00)

\*For number obviously paid, // greater. For Reissues, see above

(Complete if applicable)

|   |                          |                         |
|---|--------------------------|-------------------------|
| Name (print/type): William Scott Andes  | Registration No.: 33,682 | Telephone: 513/248-5965 |
| Signature:  |                          | Date: November 26, 2004 |

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